



**PIGEON RIVER COUNTRY MANAGEMENT UNIT
COMPARTMENT REVIEW PRESENTATION**

COMPARTMENT #48 ENTRY YEAR: 2004

Compartment Acreage: 1,877 County: Otsego

Revision Date:

August 15, 2002

Stand Examiner:

Ken Phillips

Legal Description:

T31N – R01W sections 2, 11 and 14

RMU (if applicable):

Not applicable

Management Goals:

Attempt to maintain the aspen type if possible. Heavy elk browsing in the past has made the achievement of this goal difficult.

Soil and Topography:

Rolling topography with a mix of sands and sandy-loam soils.

Ownership Patterns, Development, and Land Use in and Around the Compartment:

Solid State ownership within the compartment. Privately owned land adjoins along the entire southern border of section 14.

Unique, Natural Features (include only non-site specific and non-sensitive information):

An active Red-Shouldered Hawk nest has been documented within this compartment. Anyone who would like information about threatened or endangered species in this compartment should contact the Michigan Natural Features Inventory, PO Box 30444, Lansing, MI 48909; (517) 373-1552; www.msue.msu.edu/mnfi.

Archeological, Historical, and Cultural Features (include only non-site specific and non-sensitive information):

None identified.

Special Management Designations or Considerations:

None identified.

Watershed and Fisheries Considerations:

Tubb's Creek originates in stand #87 and flows through section 14. This watercourse is severely impounded by numerous beaver dams.

Wildlife Habitat Considerations:

A Wildlife Division representative will be available to participate in the formal compartment review.

Mineral Resource and Development Concerns and/or Restrictions:

Surface sediments consist of coarse-textured glacial till and glacial outwash sand and gravel and postglacial alluvium. Glacial drift thickness varies between 600 and 800 feet. There is approximately 300 feet of local relief within the compartment. Beneath the glacial drift are the Devonian Berea Sandstone and Bedford and Antrim Shales. The Antrim is quarried for clay/shale and cement products elsewhere in the State. The nearest gravel pit is one and one-half miles to the northwest, and potential is considered good on the upland areas. This area is partially leased for oil and gas development with production from the Niagaran reef trend. Additional Niagaran reefs are likely in the compartment. The Antrim Shale has been developed and is producing to the south of the compartment. Natural gas is being drained from State minerals. There is excellent oil and gas potential for known producing formations in this compartment.

Vehicle Access:

The only wheeled vehicle access to this compartment is by way of Sawdust Pile Road which passes through section 14 and a small portion of section 11. All other roads have been closed to the public. Many of the road closures are, however, commonly breached.

Survey Needs:

None required.

Recreational Facilities and Opportunities:

Two designated horse camping sites are located within this compartment (stands #51 and #405). The North Spur of the Shore-to-Shore horse riding trail as well as the Midland to Mackinaw hiking trail both follow Sawdust Pile Road through the compartment.

Fire Protection:

Current fuel types do not pose a severe wildfire threat. Closed roads provide good access for fire suppression.

Additional Compartment Information:

This compartment has traditionally sheltered a relatively large number of elk.

- **The following 5 reports from the Operations Inventory System (OIPC) are attached:**
 - ◆ **Cover Type by Age Class**
 - ◆ **Cover Type by Management Objective**
 - ◆ **Compartment Volume Summary**
 - ◆ **Proposed Treatments – No Limiting Factors**
 - ◆ **Proposed Treatments – With Limiting Factors**
- **The following information is displayed, where pertinent, on the attached compartment maps:**
 - ◆ **Base feature information, stand numbers, cover types**
 - ◆ **Proposed treatments**
 - ◆ **Proposed road access system**

◆ **Suggested potential old growth**

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 48

Table 3

(acres shown in boxes)

STAND AGE CLASS

COVER TYPE	Not Coded	0-9	10-19	20-29	30-39	40-49	50-59	60-69	70-79	80-89	90-99	100-109	110-119	120-129	130-139	140-149	150-159	All Aged	Total
Aspen		173	291	1	206				104	12									787
Black Spruce										2									2
Bog or Marsh	2																		2
Grass	13																		13
Lowlnd Brush	10																		10
Marsh	20																		20
Mx Swmp Cnfr									34	58	53								145
Paper Birch									14										14
Spruce Fir									9										9
Swamp Hrdwds										5									5
Upland Brush	74		67																141
Upland Hdwds			25						189	58								389	661
Water	1																		1
White Pine			22		7			25	10									3	67
Total	120	173	405	1	213			25	360	135	53							392	1877

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Michigan Department of Natural Resources - Operations Inventory System
Individual Compartment Report

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: 48

Table 3A

(acres shown in boxes)

MANAGEMENT OBJECTIVE TYPE

COVER TYPE	A	S	V	C	G	H	J	I	L	P	N	Q	X	O	B	R	K	Y	F	E	T	D	U	M	Z	W	Total
A Aspen	787																										787
S Black Spruce		2																									2
V Bog or Marsh			2																								2
G Grass					13																						13
L Lowlnd Brush									10																		10
N Marsh											20																20
Q Mx Swmp Cnfr												145															145
B Paper Birch															14												14
F Spruce Fir																			9								9
E Swamp Hrdwds																				5							5
U Upland Brush					72																		69				141
M Upland Hdwds																								661			661
Z Water																									1		1
W White Pine																										67	67
Total	787	2	2		85				10		20	145			14				9	5			69	661	1	67	1877

MACKINAW STATE FOREST

PIGEON RIVER COUNTRY MGT UNIT

OTSEGO COUNTY

COMPARTMENT: **48****Table 10 - COMPARTMENT VOLUME SUMMARY - ALL STANDS**

COMPARTMENT SUMMARY			
TOTAL VOLUME		CUT VOLUME	
Hardwood	13591 Cds	Hardwood	111 Cds
Hardwood	2065 Mbf	Hardwood	8 Mbf
Softwood	2156 Cds	Sum CutVol	127 Cds
Softwood	208 Mbf		
Sum TotVol	20293 Cds		
Total Cmpt Acres		Acres Proposed For Cut.....	10
1877		Acres Meeting Silv Criteria.....	267
		Acres Not Meeting Silv Criteria.....	1610
Acres Unable to Determine Silv Criteria For.....			

PIGEON RIVER COUNTRY MGT UNIT
**Proposed Treatments
With NO Limiting Factors**
Compartment: 48
Entry Year: 2004

Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
1	M6	10	77	60	northern hardwood	immature	selection	1		
comnts Fmd : THIN IN CONJUNCTION WITH THE HARVEST OF STAND #88 IN COMPARTMENT #47 ADJACENT TO THE WEST.										
23	U0	70			grass	nonstocked		0	opening maintenance	
comnts Fmd : WILDLIFE IS CURRENTLY DEVELOPING A LARGE PORTION OF THIS STAND AS A MAINTAINED OPENING										
34	U0	2			grass	nonstocked		0	opening maintenance	
comnts Fmd : WILDLIFE IS CURRENTLY DEVELOPING A LARGE PORTION OF THIS STAND AS A MAINTAINED OPENING										
Total Acres.....		82								

**Proposed Treatments
With Limiting Factors**

Compartment: 048

Entry Year:













Stand	Cover Type	Acres	Age	Site Index	Mgt Obj	Condition	Method Cut	Harvest Priority	Cultural Need	FDF Status
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TREATMENT LIMITING FACTORS:

Total Acres..... 0

COMPARTMENT 48
T31N, R1W, SEC. 2, 11, 14
COUNTY: OSTEGO
UNIT: PIGEON RIVER COUNTRY
FOREST: MACKINAW
YOE: 2004
ACRES: 1,877 GIS CALCULATED
MAP REVISED: 8/14/2002
STAND EXAMINER: KEN PHILLIPS

LEGEND

	MIRIS CORNER
	GRAVEL & GOOD DIRT ROADS
	POOR DIRT ROADS
	CLOSED/ABANDONED ROADS
	LAKES
	RIVERS
	INTERMITTENT STREAMS
	SELECTION
	OPENING MAINTENANCE
	STAND BOUNDARY
	HORSE TRAIL
	HIKING TRAIL



N



1 Miles